

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~A method of connection establishment in a short-range wireless communication environment~~, comprising:

- a) generating a RF-ID interrogation signal by a first terminal equipped with a RF-ID tag reader device;
- b) detecting the RF-ID interrogation signal by a second terminal when within the range of the RF-ID interrogation signal;
- c) in response to detecting the presence of the RF-ID interrogation signal, providing a notification to activate a processor in the second terminal, the processor using the notification for setting a short-range communication module in the second terminal into a predefined operation mode for detecting paging signals directed to the second terminal;
- d) responding to the RF-ID interrogation signal by transmitting a RF-ID response signal to the first terminal including identification information relating to the short-range communication module of the second terminal;
- e) processing the received RF-ID response signal by the first terminal to activate a short-range communication module in the first terminal to initiate a shortened session setup by transmitting a short-range paging signal directed to the second terminal based on information of the received RF-ID response signal to establish a short-range connection with the second terminal; and
- f) detecting the paging signal by the short-range communication module in the second terminal for immediate establishment of a short-range connection between the first and second terminals.

2. (Original) The method of Claim 1 further comprising:

- g) incorporating in the second mobile terminal a RF-ID tag reader having tag functionality and terminal identification information.

3. (Original) The method of Claim 2 further comprising:
h) switching the RF-ID tag reader in the second terminal to operate in a show communication mode and simulate a RF-ID tag device.
4. (Original) The method of Claim 1 wherein the first and second terminals include RF-ID tag readers operating in an active mode.
5. (Original) The method of Claim 1 wherein the RF-ID tag reader of the second terminal operates in a powered down state and passive mode.
6. (Original) The method of Claim 4 wherein one RF-ID tag reader automatically switches to a passive state when de-energized.
7. (Original) The method of Claim 1 wherein the short-range communication modules of the first and the second terminals conform to the principles of Bluetooth technology.
8. (Original) The method of Claim 7 wherein the processor of the second terminal responding terminal to the second terminal informs the Bluetooth module of the second terminal to enter into a Bluetooth page scan mode after detecting an interrogation signal and responding to it with identification information of the Bluetooth communication module in order to provide a shortened device discovery and session setup between the terminals.
- 9-15. (Canceled)
16. (Original) The method of Claim 1, wherein the first and the second terminals are mobile terminals.
17. (Original) The method of Claim 16 further comprising:
j) determining whether a short-range connection is acceptable.

18. (Original) The method of Claim 17 further comprising:
k) instructing the short-range communication module to enter into a page scanning mode if the Bluetooth mode is acceptable.

19. (Original) Method of Claim 17 further comprising:
l) instructing the short-range communication module to enter into a non-connectable connection if the Bluetooth mode is not acceptable.

20-51. (Canceled)

52. (Withdrawn) A portable electronic device, which is, connected to a reader device for radio frequency identification transponders, wherein said reader device comprises:
a) a radio frequency interface and an antenna such that said reader device is adapted to communicate at least with said radio frequency identification transponders in a reader operation mode; and
b) an associated transponder logic unit which is connectable to said radio frequency interface, wherein said transponder logic unit is operable in a transponder operation mode, in which said reader device acts as a radio frequency identification transponder.

53. (Withdrawn) The portable terminal according to Claim 52, wherein said reader device is a reader device according to Claim 39.

54. (Withdrawn) The portable terminal according to Claim 52, wherein said portable electronic device is enabled to communicate via a public land mobile network.

55. (Withdrawn) A system including a portable electronic device and a reader device for radio frequency identification transponders, which is connected to say portable electronic device, wherein said reader device comprises:

a) a radio frequency interface and an antenna such that said reader device is adapted to communicate at least with said radio frequency identification transponders in a reader operation mode; and

b) a transponder logic unit, which is connected /to, said radio frequency interface, wherein said transponder logic unit is operable in a transponder operation mode, in which said reader device acts as a radio frequency identification transponder.

56. (Currently Amended) A method of ~~connection establishment in a wireless communication terminal~~, comprising:

a) detecting a RF-ID interrogation signal in a wireless communication terminal;

b) responding to the RF-ID interrogation signal by transmitting a RF-ID response signal including identification information relating to a wireless short-range module of the terminal and providing ~~the~~ a notification signal to a processor in the wireless communication terminal; and

c) in response to the notification signal, activating the processor to instruct a wireless short-range communication module in the wireless communication terminal to enter into a predefined shortened session set-up operation mode for detecting paging signals.

57. (Previously Presented) The method of claim 56 further comprises:

d) including in the RF-ID response signal at least a unique Bluetooth identification number of the wireless short-range communication module.

58. (Previously Presented) The method of claim 56 further comprises:

d) including in the RF-ID response signal a Bluetooth serial number and Bluetooth Clock Offset information of the wireless short-range communication module.

59. (Previously Presented) The method of claim 56 further comprises:

d) entering into a Bluetooth page scan mode after detecting the interrogation signal.

60. (Previously Presented) The method of claim 56 further comprises:
d) receiving a paging signal as an initial signal to activate the wireless short-range communication module.

61. (Previously Presented) The method of claim 56 further comprises:
d) skipping an inquiry stage and initiating a shortened session set up upon receiving a paging signal.

62. (Previously Presented) A wireless communication terminal comprising:
a) a processor;
b) a wireless short-range communication module configured to communicate over a wireless short-range communication connection; and
c) a near field communication module configured to detect a RF-ID interrogation signal and send a response signal including identification information relating to the wireless short-range communication module, the wireless near field communication module further configured to provide to the processor a notification of the interrogation signal of the presence of the RF-ID interrogation signal, and

wherein the processor is configured to instruct the wireless short range-communication module to enter into a predefined operation mode for detecting paging signals to establish a wireless short-range communication connection in response to receiving the notification from the near field communication module.

63. (Previously Presented) The wireless communication terminal of claim 62 further comprises:

d) a unique Bluetooth identification number of the wireless short-range communication module included in the RF-ID response signal.

64. (Previously Presented) The wireless communication terminal of claim 62 further comprises:

d) a Bluetooth serial number and Bluetooth Clock Offset information of the wireless short-range communication module including in the RF-ID response signal.

65. (Previously Presented) The wireless communication terminal of claim 62 further comprises:

d) entering into a Bluetooth page scan mode entered into after detecting the interrogation signal.

66. (Previously Presented) The wireless communication terminal of claim 62 further comprises:

d) a paging signal to activate the wireless communication module after receiving the interrogation signal.

67. (Previously Presented) The wireless communication terminal of claim 62 further comprises:

d) skipping an inquiry stage and establishing a shortened session set upon receiving a paging signal.

68. (Currently Amended) a computer program product ~~for connection establishment in a wireless communication terminal~~, comprising:

a) a computer readable medium, executable in a computer system and storing:

i) program code for detecting a RF-ID interrogation signal and generating in a wireless communication terminal a notification of the RF-ID interrogation signal; and
ii) program code for providing the notification to activate a processor, the processor using the notification to instruct a wireless short-range communication module to enter into a predefined operation mode for detecting paging signals.

69. (Previously Presented) The computer program product of claim 68, further comprising:

- iii) program code for entering into a Bluetooth page scan mode after detecting the interrogation signal.

70. (Previously Presented) The computer program product of claim 68, further comprising:

- iv) program code for receiving a paging signal to activate the wireless short-range communication module.

71. (Previously Presented) The computer program product of claim 68, further comprising:

- v) program code for skipping an inquiry stage and initiating a shortened session set up upon receiving a paging signal.

72. (Previously Presented) The method of claim 1 further comprising:

- (iv) instructing the second terminal to enter into a page scanning mode if the notification indicates a Bluetooth connection is acceptable.

73. (Previously Presented) The method of claim 1 further comprising:

- (iv) instructing the second terminal to enter into a non-connectable mode if the notification indicates a Bluetooth connection is not acceptable.

74. (Previously Presented) The method of claim 1 further comprising

- (iv) determining if a Bluetooth connection between the first and second terminals is acceptable using a control circuit responsive to the processor.